## Automatic Transmission (DSG) 7-Speed 0Ck , (G1C)

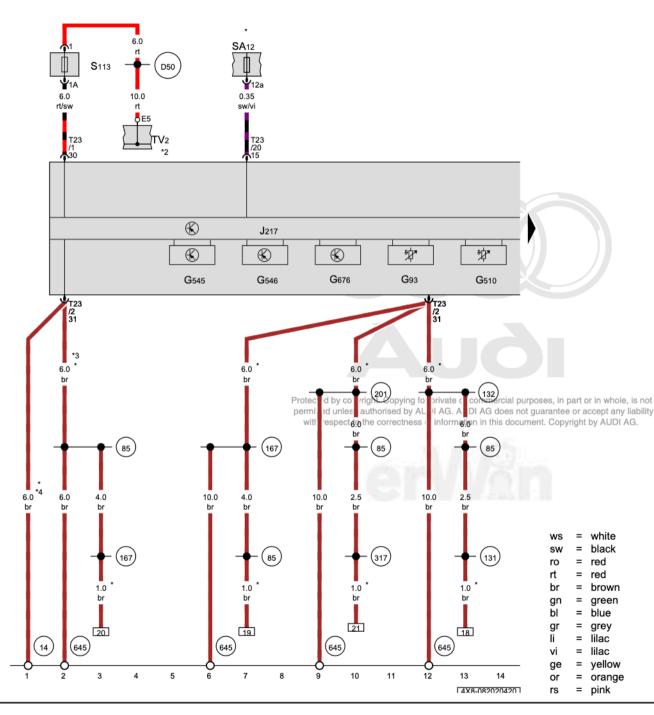
From December 2013



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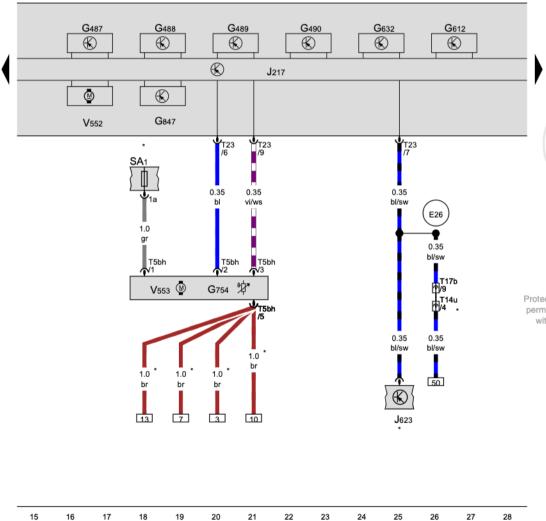
Wiring Diagram



Transmission Fluid Temperature Sensor, Temperature Sensor in Control Module, Hydraulic Pressure Sensor 1, Drive Position Sensor, Transmission Control Module

- G93 Transmission Fluid Temperature Sensor
- G510 Temperature Sensor in Control Module
- G545 Hydraulic Pressure Sensor 1
- G546 Hydraulic Pressure Sensor 2
- G676 Drive Position Sensor
  - 17 Transmission Control Module
- SA12 Fuse 12 (On Fuse Panel A)
- S113 Automatic Transmission Control Module Fuse
- TV2 Terminal 30 Wire Junction
- T23 23-Pin Connector
- 14 Ground Connection on Transmission
- 85 Ground Connection 1 (in Engine/Motor Compartment Wiring Harness)
- Ground Connection 2 (in Engine/Motor Compartment Wiring Harness)
- Ground Connection 3 (in Engine/Motor Compartment Wiring Harness)
- Ground Connection 4 (in Engine/Motor Compartment Wiring Harness)
- Ground Connection 5 (in Engine/Motor Compartment Wiring Harness)
- Ground Connection 7 (in Engine/Motor Compartment Wiring Harness)
- (645) Ground Connection 1 on Bulkhead
- Positive Connection (30) (in Engine/Motor Compartment Wiring Harness)
  - Refer to Applicable Engine Wiring Diagram
- \*2 Refer to Applicable Wiring Diagram for Fuse Positions
- \*3 Omitted as a Running Change
- \*4 Running Change

Wiring Diagram



Gear Position Distance Sensor 1, Transmission Input Speed Sensor 2, Transmission Input Speed Sensor 1, Transmission Fluid Temperature Sensor 2, Transmission Fluid Auxiliary Hydraulic Pump Rotor Position Sensor, Transmission Control Module, Transmission Fluid Auxiliary Hydraulic Pump, Transmission Electric Pump 2

- G487 Gear Position Distance Sensor 1
- G488 Gear Position Distance Sensor 2
- G489 Gear Position Distance Sensor 3
- G490 Gear Position Distance Sensor 4
- G612 Transmission Input Speed Sensor 2
- G632 Transmission Input Speed Sensor 1
- G754 Transmission Fluid Temperature Sensor 2
- G847 Transmission Fluid Auxiliary Hydraulic Pump Rotor Position Sensor
- J217 Transmission Control Module
- J623 Engine/Motor Control Module
- SA1 Fuse 1 (On Fuse Panel A)
- T5bh 5-Pin Connector
- T14u 14-Pin Connector, Left Plenum Chamber E-Box Connector Station. Black
- T17b 17-Pin Connector, Left Plenum Chamber E-Box Connector Station
- T23 23-Pin Connector
- V552 Transmission Fluid Auxiliary Hydraulic Pump
- V553 Transmission Electric Pump 2
- E26 Selector Lever P/N Position Connection (in Motronic Multiform Fuel Injection Wiring Harness)
  - Refer to Applicable Engine Wiring Diagram

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange

= pink

rs

4X8-082030420

= white

= red

= red

= brown
= green

= blue

= grey

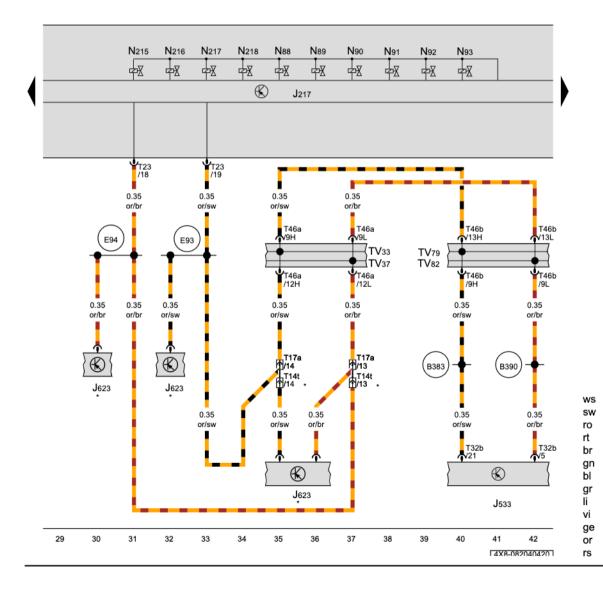
= lilac

= lilac = yellow

= pink

= orange

black



Transmission Control Module, Solenoid Valve 4, Solenoid Valve 5, Solenoid Valve 6, Automatic Transmission Pressure Regulating Valve 1, Powertrain CAN Bus High Wire Junction, Powertrain CAN Bus Low Wire Junction, Powertrain CAN Bus High Wire Junction 2

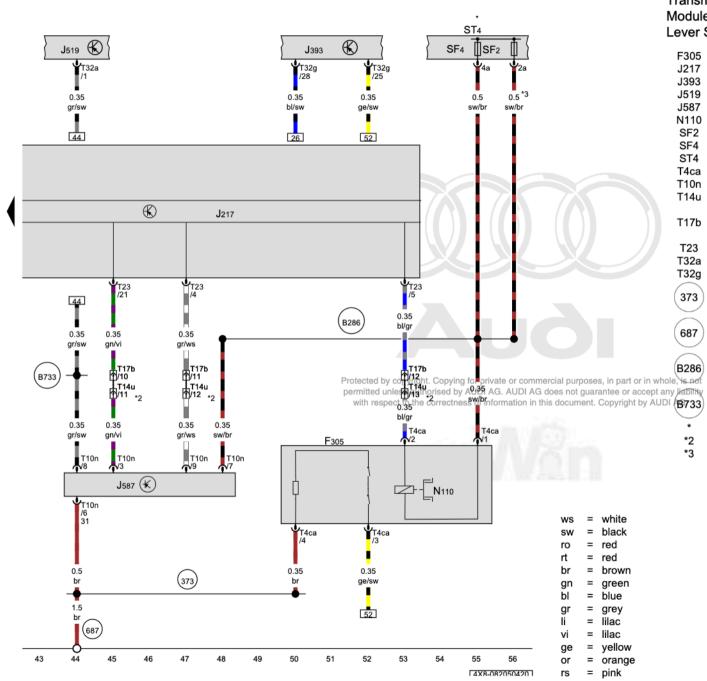
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J217 Transmission Control Module
      Data Bus on Board Diagnostic Interface
      Engine/Motor Control Module
      Solenoid Valve 1
N89
      Solenoid Valve 2
N90
      Solenoid Valve 3
N91
      Solenoid Valve 4
      Solenoid Valve 5
      Solenoid Valve 6
N215 Automatic Transmission Pressure Regulating Valve 1
     Automatic Transmission Pressure Regulating Valve 2
N217 Automatic Transmission Pressure Regulating Valve 3
N218 Automatic Transmission Pressure Regulating Valve 4
T14t 14-Pin Connector, Left Plenum Chamber E-Box Connector
      Station, Black
T17a 17-Pin Connector, Left Plenum Chamber E-Box Connector
      Station
T23
      23-Pin Connector
T32b
      32-Pin Connector
T46a
     46-Pin Connector
     46-Pin Connector
     Powertrain CAN Bus High Wire Junction
      Powertrain CAN Bus Low Wire Junction
TV79 Powertrain CAN Bus High Wire Junction 2
TV82 Powertrain CAN Bus Low Wire Junction 2
      Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
      Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
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(E94) CAN Bus Low Connection 1 (in Engine Wiring Harness)

Refer to Applicable Engine Wiring Diagram

Wiring Diagram



Transmission Park Selector Switch, Transmission Control Module, Vehicle Electrical System Control Module, Selector Lever Sensor System Control Module, Shift Lock Solenoid

- F305 Transmission Park Selector Switch
- J217 Transmission Control Module
- 1393 Comfort System Central Control Module
- J519 Vehicle Electrical System Control Module
- J587 Selector Lever Sensor System Control Module
- N110 Shift Lock Solenoid
- SF2 Fuse 2 (On Fuse Panel F)
- SF4 Fuse 4 (On Fuse Panel F)
- ST4 Fuse Panel 4
- T4ca 4-Pin Connector
- T10n 10-Pin Connector
- T14u 14-Pin Connector, Left Plenum Chamber E-Box Connector Station, Black
- T17b 17-Pin Connector, Left Plenum Chamber E-Box Connector Station
- T23 23-Pin Connector
- T32a 32-Pin Connector
- T32g 32-Pin Connector
- (373) Ground Connection 8 (in Main Wiring Harness)
- (687) Ground Connection 1 on Center Tunnel
  - Positive Connection 10 (15a) (in Main Wiring Harness)

Connection 58s (in Main Wiring Harness) 3

- Refer to Applicable Wiring Diagram for Fuse Positions
- 2 Refer to Applicable Engine Wiring Diagram
- \*3 From June 2014